

**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

<p>Complete if Known</p>					
				Application Number	10/603,094
				Filing Date	June 25, 2003
				First Named Inventor	Don J. DIAMOND
				Group Art Unit	<del>1045</del> 1648
<td>Examiner Name</td> <td>To Be Assigned Louise Humphrey</td>				Examiner Name	To Be Assigned Louise Humphrey
Sheet	1	of	8	Attorney Docket Number	1954-410

**U.S. PATENT DOCUMENTS**

Examiner Initials*	Cite No. <sup>1</sup>	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY
		Number	Kind Code <sup>2</sup> (if known)		
LH	A.	6,156,317		Diamond et al.	12-05-2000
LH	B.	6,074,645		Diamond et al.	06-13-2000

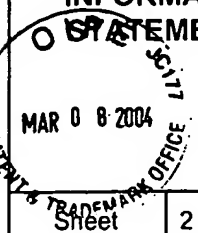
**FOREIGN PATENT DOCUMENTS**

Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document			Name of Patentee of Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	T <sup>6</sup>
		Office <sup>3</sup> Code	Number <sup>4</sup>	Kind <sup>5</sup> (if known)			
LH	C.	WO	00/75180	A2	Florian Kern	12-14-2000	
	D.	WO	94/00150	A1	City of Hope	01-06-1994	
	E.	WO	97/40165	A1	The Wistar Institute of Anatomy and Biology	10-30-1997	
	F.	WO	98/26074	A1	Institut National De La Sante et de La Recherche Medicale	06-18-1998	
✓	G.	WO	99/19349	A1	City of Hope	04-22-1999	

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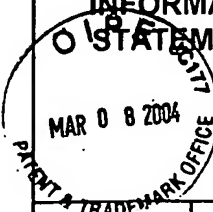
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<sup>1</sup>Unique citation designation number. <sup>2</sup>See attached Kinds of U.S. Patent Documents. <sup>3</sup>Enter Office that issued the document, by the two-letter code. <sup>4</sup>For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup>Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup>Applicant is to place a check mark here if English language translation is attached. AB indicates that only an English language abstract is attached.

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LH	H.	Alexander, Jeff, et al., "Development of High Potency Universal DR-Restricted Helper Epitopes by Modification of High Affinity DR-Blocking Peptides," <u>Immunity</u> 1:751-761, December 1994.			
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	M.	Belyakov, Igor M., et al., "Mucosal AIDS vaccine reduces disease and viral load in gut reservoir and blood after mucosal infection of macaques," <u>Nature Medicine</u> 7(12):1320-1326, December 2001.			
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	Q.	Bernhard, Eric et al., "Cytotoxic T Lymphocytes from HLA-A2 Transgenic Mice Specific for HLA-A2 Expressed on Human Cells," <u>J. Exp. Med.</u> 168:1157-1162, September 1988.			
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↓	S.	Boyer, Jean D., et al., "Vaccination of Seronegative Volunteers with a Human Immunodeficiency Virus Type 1 <i>env</i> rev DNA Vaccine Induces Antigen-Specific Proliferation and Lymphocyte Production of β-Chemokines," <u>The Journal of Infectious Diseases</u> 181:476-83, 2000.			
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LH	T.	Chu, Rose S., et al., "CpG Oligodeoxynucleotides Act as Adjuvants that Switch on T Helper 1 (Th1) Immunity," <u>J. Exp. Med.</u> 186(10):1623-1631, November 17, 1997.				
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	Y.	Deres, Karl, et al., "In vivo priming of a virus-specific cytotoxic T lymphocytes with synthetic lipopeptide vaccines," <u>Nature</u> 342:561-564, November 30, 1989.				
	Z.	Diamond, Don J., et al., "Development of a Candidate HLA A*0201 Restricted Peptide Based Vaccine Against HCMV Infection," <u>Blood</u> 90(5):1751-1767, September 1, 1997.				
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	BB.	Freitag, L.C., et al., "Bacterial Toxins as Mucosal Adjuvants," <u>Curr. Top. Microbiol. Immunol.</u> 236:215-236, 1999.				
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LH	GG.	Hart, Mary Kate, et al., "Priming of Anti-Human Immunodeficiency Virus (HIV) CD8 <sup>+</sup> Cytotoxic T Cells <i>in Vivo</i> by Carrier-Free HIV Synthetic Peptides," <u>Proc. Natl. Acad. Sci USA</u> 88:9448-9452, November 1991.			
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	JJ.	Hioe, Catarina, et al., "Comparison of Adjuvant Formulations for Cytotoxic T Cell Induction Using Synthetic Peptides," <u>Vaccine</u> 14(5):412-418, 1996.			
	KK.	Horner, Anthony A., et al., "Immunostimulatory DNA-Based Vaccines Elicit Multifaceted Immune Responses Against HIV at Systemic and Mucosal Sites," <u>The Journal of Immunology</u> 167:1584-1591, 2001.			
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	PP.	Krieg, Arthur M., et al., "CpG Motifs in Bacterial DNA and Their Immune Effects," <u>Annu. Rev. Immunol.</u> 20:709-760, 2002.			
	QQ.	Krieg, Arthur M., et al., "CpG Motifs in Bacterial DNA Trigger Direct B-Cell Activation," <u>Nature</u> 374(6):546-549, April 6, 1995.			
✓	RR.	Krieg, Arthur M., et al., "Enhancing Vaccines with Immune Stimulatory CpG DNA," <u>Current Opinion in Molecular Therapeutics</u> 3(1):15-24, 2001.			
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LH	SS.	Krieg, Arthur M., et al., "Sequence Motifs in Adenoviral DNA Block Immune Activation by Stimulatory CpG Motifs," <u>Proc. Natl. Acad. Sci. USA</u> 95:12631-12636, October 1998.			
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	WW.	Lipford, G.B., et al. "Peptide Engineering Allows Cytotoxic T-cell Vaccination Against Human Papilloma Virus Tumour Antigen, E6," <u>Immunology</u> 84:298-303, 1995.			
	XX.	Lipford, Grayson B., et al., "CpG-containing synthetic oligonucleotides promote B and cytotoxic T cell responses to protein antigen: a new class of vaccine adjuvants," <u>Eur. J. Immunol.</u> 27:2340-2344, 1997.			
	YY.	Livingston, Brian D., et al. "Altered Helper T Lymphocyte Function Associated with Chronic Hepatitis B Virus Infection and its Role in Response to Therapeutic Vaccination in Humans," <u>J. Immunology</u> 162:3088-3095, 1999.			
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	AAA.	Longmate, Jeffrey, et al., "Population Coverage by HLA Class-I Restricted Cytotoxic T-Lymphocyte Epitopes," <u>Immunogenetics</u> 52:165-173, 2001.			
	BBB.	Ludewig, Burkhard, et al., "Dendritic Cells Efficiently Induce Protective Antiviral Immunity," <u>Journal of Virology</u> 72(5):3812-3818, May 1998.			
	CCC.	Martinon, Frederic, et al., "Immunization of Mice with Lipopeptides Bypasses the Prerequisite for Adjuvant: Immune Response of BALB/c Mice to Human Immunodeficiency Virus Envelope Glycoprotein," <u>The Journal of Immunology</u> 149(10):3416-3422, November 15, 1992.			
▼	DDD.	McCluskie, Michael J., et al., "Mucosal Immunization of Mice Using CpG DNA and/or Mutants of the Heat-Labile Enterotoxin of <i>Escherichia coli</i> as Adjuvants," <u>Vaccine</u> 19:3759-3768, 2001.			
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LH	EEE.	McLaughlin-Taylor, Elizabeth, et al., "Identification of the Major Late Human Cytomegalovirus Matrix Protein pp65 as a Target Antigen for CD8 <sup>+</sup> Virus-Specific Cytotoxic T Lymphocytes," <u>Journal of Medical Virology</u> 43:103-110, 1994.			
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	HHH.	Mora, Ana L., et al., "Controlled Lipidation and Encapsulation of Peptides as a Useful Approach to Mucosal Immunization," <u>The Journal of Immunology</u> 161:3616-3623, 1998.			
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	LLL.	Pande, Hema, et al., "Human Cytomegalovirus Strain Towne pp65 Gene: Nucleotide Sequence and Expression in <i>Escherichia coli</i> ," <u>Virology</u> 182: 220-228, 1991.			
	MMM.	Partidos, C.D., et al., "CTL Responses Induced by a Single Immunization with Peptide Encapsulated in Biodegradable Microparticles," <u>Journal of Immunological Methods</u> 206:143-151, 1997.			
	NNN.	Parker, Kenneth C., et al., "Scheme for Ranking Potential HLA-A2 Binding Peptides Based on Independent Binding of Individual Peptide Side-Chains," <u>Journal of Immunology</u> , 152:163-175, 1994.			
	OOO.	Rammensee, Hans-Georg, et al., "MHC Ligands and Peptide Motifs: First Listing," <u>Immunogenetics</u> , 41(4):178-228, 1995.			
V	PPP.	Rammensee, Hans-Georg, et al., "Peptides Naturally Presented by MHC Class I Molecules," <u>Annu. Rev. Immunol.</u> 11:213-44, 1993.			
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	RRR.	Reece, Jeannette, et al., "Mapping the Major Human T Helper Epitopes of Tetanus Toxin: the Emerging Picture," <u>J. Immunol.</u> 151(11):6175-6184, December 1, 1993.			
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	TTT.	Riddell, Stanley, et al., "Class I MHC-Restricted Cytotoxic T Lymphocyte Recognition of Cells Infected with Human Cytomegalovirus does not Require Endogenous Viral Gene Expression," <u>J. Immunology</u> 146(8):2795-2804, April 15, 1991.			
	UUU.	Riddell, Stanley, et al., "Restoration of Viral Immunity in Immunodeficient Humans by the Adoptive Transfer of T Cell Clones," <u>Science</u> 257:238-241, 1992.			
	VVV.	Rock, Kenneth, et al., "Degradation of Cell Proteins and the Generation of MHC Class 1-Presented Peptides," <u>Annu. Rev. Immunol.</u> 17:739-779, 1999.			
	WWW	Rosloniec, Edward, et al., "An HLA-DR1 Transgene Confers Susceptibility to Collagen-induced Arthritis Elicited with Human Type II Collagen," <u>J. Exp. Med.</u> 185(6):1113- 1122, March 17, 1997.			
	XXX.	Sauzet, Jean-Pierre, et al., "Long-lasting anti-viral Cytotoxic T Lymphocytes Induced <i>In Vivo</i> with Chimeric-multirestricted Lipopeptides," <u>Vaccine</u> 13(14):1339-1345, 1995.			
	YYY.	Schild, Hansjörg, et al., "Efficiency of peptides and lipopeptides for <i>in vivo</i> priming of virus-specific cytotoxic T cells," <u>Eur. J. Immunol.</u> 21:2649-2654, 1991.			
	ZZZ.	Schulz, Manfred., et al., "Peptide-induced Antiviral Protection by Cytotoxic T Cells," <u>Proc. Natl. Acad. Sci. USA</u> 88:991-993, February 1991.			
	AAAA.	Seth, Aruna, et al., "Evaluation of a Lipopeptide Immunogen as a Therapeutic in HIV Type 1-seropositive Individuals," <u>AIDS Res. Hum. Retroviruses</u> 16(4):337-343, 2000.			
	BBBB.	Shirai, Mutsunori, et al., "Helper-cytotoxic T Lymphocyte (CTL) Determinant Linkage Required for Priming of Anti-HIV CD8 <sup>+</sup> CTL <i>in vivo</i> with Peptide Vaccine Constructs," <u>J. Immunol.</u> 152:549-556, 1994.			
	CCCC.	Stratton, Kathleen R., et al., <u>Vaccines for the 21<sup>st</sup> Century: A tool for Decisionmaking</u> . Bethesda, National Academy Press, 2001, pp. ix-xi.			
↓	DDDD.	Tighe, Helen, et al., "Conjugation of Protein to Immunostimulatory DNA Results in a Rapid, Long-lasting and Potent Induction of Cell-mediated and Humoral immunity," <u>Eur. J. Immunol.</u> 30:1939-1947, 2000.			
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<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>				Complete if Known	
				Application Number	10/603,094
				Filing Date	June 25, 2003
				First Named Inventor	Don J. DIAMOND
				Group Art Unit	1645
				Examiner Name	To Be Assigned
Sheet	8	of	8	Attorney Docket Number	1954-410
<b>NON PATENT LITERATURE DOCUMENTS</b>					
Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published			T <sup>2</sup>
LH	EEEE.	Tobery, Timothy et al., "Cutting Edge: Induction of Enhanced CTL-Dependent Protective Immunity in Vivo by N-End Rule Targeting of a Model Tumor Antigen," <u>The Journal of Immunology</u> 162:639-642, 1999.			
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	OOOO.	Wiedemann, Frank et al., "Histopathological Studies on the Local Reactions Induced by Complete Freund's Adjuvant (CFA), Bacterial Lipopolysaccharide (LPS), and Synthetic Lipopeptide (P3C) Conjugates," <u>J. Pathol.</u> 164:265-271, 1991.			
	PPPP.	Wills, Mark R., et al., "The Human Cytotoxic T-Lymphocyte (CTL) Response to Cytomegalovirus is Dominated by Structural Protein pp65: Frequency, Specificity, and T-Cell Receptor Usage of pp65-Specific CTL," <u>J. of Virol.</u> 70(11):7569-7579, Nov. 1996.			
✓	QQQQ.	Zaia, John A., et al., "Status of Cytomegalovirus Prevention and Treatment in 2000," <u>Hematology</u> , pp. 339-355, 2000.			
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Application Number	10/603,094
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First Named Inventor	Don J. DIAMOND
Group Art Unit	1648
Examiner Name	<del>Laurie Scheiner</del> Louise Humphrey
Attorney Docket Number	1954-410

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**U.S. PATENT DOCUMENTS**

Examiner Initials*	Cite No. <sup>1</sup>	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY
		Number	Kind Code <sup>2</sup> (if known)		
LH	1.	6,544,521	B2	Diamond	04-08-2003
LH	2.	6,562,345	B1	Diamond	05-13-2003

**FOREIGN PATENT DOCUMENTS**

Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document			Name of Patentee of Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	T <sup>6</sup>
		Office <sup>3</sup> Code	Number <sup>4</sup>	Kind <sup>5</sup> (if known)			

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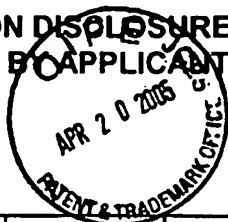
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Application Number 10/603,094  
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First Named Inventor Don J. DIAMOND  
Group Art Unit ~~4645~~ 1648  
Examiner Name To Be Assigned Louise Humphrey

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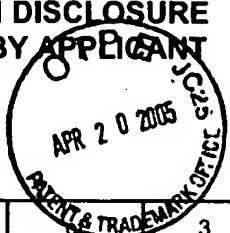
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LH	1A	U.S. 5,736,142		SETTE et al.	04/07/1998
LH	1B	U.S. 6,472,375	B1	HOON et al.	10/29/2002
LH	1C	U.S. 6,514,948	B1	RAZ et al.	02/04/2003
LH	1D	U.S. 6,632,435	B1	DIAMOND	10/14/2003

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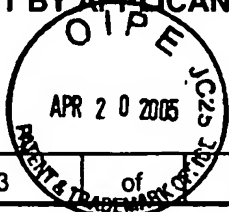
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<p>Sheet <b>3</b> of <b>3</b></p>		Application Number	10/603,094
		Filing Date	June 25, 2003
		First Named Inventor	Don J. DIAMOND
		Group Art Unit	1645
		Examiner Name	To Be Assigned
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